



Untitled.ST25
SEQUENCE LISTING

<110> Medical College of Ohio
Ratnam, Manohar

<120> Folate Receptor Gene Modulation For Cancer Diagnosis and Therapy

<130> 9178

<150> US 60/455,705

<151> 2003-03-17

<160> 18

<170> PatentIn version 3.2

<210> 1

<211> 223

<212> DNA

<213> Homo sapiens

<400> 1
gtgaccacct ggagaaggca atgaggctca agccagggag ggggtggtgtc taatcctacc 60
tttcattgga tctgggaaaa ctgagggaga tgggggcagg gctctatctg ccccaggctt 120
ccgtccaggc cccaccctcc tggagccctg cacacaactt aaggcccccac ctccgcattc 180
cttggtgcca ctgaccacag ctctttcttc agggacagac atg 223

<210> 2

<211> 12

<212> DNA

<213> Homo sapiens

<400> 2
tgaggctcaa gc 12

<210> 3

<211> 13

<212> DNA

<213> Homo sapiens

<400> 3
gggaggggtg gtg 13

<210> 4

<211> 22

<212> DNA

<213> Homo sapiens

<400> 4
ctgagggaga tgggggcagg gc 22

<210> 5

<211> 11

<212> DNA

<213> Homo sapiens

Untitled.ST25

<400> 5
ccccaccctc c

11

<210> 6
<211> 2723
<212> DNA
<213> Homo sapiens

<400> 6
ttggaaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc 60
agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg 120
cactgttaat tcacccctc ccactacccc atggaggcct ggctggtgct cacatacaat 180
aattaactgc tgagtggcct tcgccaatc ccaggctcca ctctgggct ccattccac 240
tccctgcctg tctcctaggc cactaaacca cagctgtccc ctggaataag gcaaggggga 300
gtgtagagca gagcagaagc ctgagccaga cggagagcca cctcctctcc caggtatgtg 360
acactcccca tcccccttca gaggccacac accctatggc attcccacca tgtgttaagg 420
atcttctgaa ctggaagggc cctctgtttg cctgaaggcc agagaatctt gaagtggaga 480
ctgaggccca gaccagagtg tggcctgctc aagattaaac gacaagttag tgttcatccc 540
cctgaactag tacctgggct ctagcccttc agtccagagc tgagttctca gctcttctag 600
tctggggccc caagggttggg tgtgggggtc atgattgttg gtggggaggg gtcacagctg 660
gactaagacc tgaagggtgag actaggcagg tgggaaagga gcttgagag tgatgctgct 720
caaaaggaca ggaagagagc ctggcttcag aagcagccac agcaagagag actactgact 780
gaacaggttg gctccactgg gggctccgga aaggattttc tcagcccca tcccagcac 840
tgtgtgttg ccgcacccat gagagcctca gcactctgaa ggtgcagggg gcaaaggcca 900
aaagagctct ggcctgaact tgggtggtcc ctactgtgtg acttggggca tggccctcat 960
ctgtgctgaa atgattccac aaagattaaa ctggctatca tttgttgatt tcccccttct 1020
tacatttaat ccttgagga gaaagctaag cctcaagata gtttgcttct ctttcccca 1080
aggccaagga gaagggtgag tgagggctgg ggtcgggaca ggttgaacgg gaaccctgtg 1140
ctctaaacag ttagggtttg tccccgagg aactgaaccc aaaggatcac ctggtattcc 1200
ctgagagtac agatttctcc ggcgtggccc tcaaggtag tgagttagca ggtccacagg 1260
ggcatgattg gatcctggaa tgaatgaatc aaccatgaga gagtgaatga aactggaat 1320
caatagagta gcagagtaat ggattgtgga gcaggaaaga gagctgctgg gtgggaattc 1380
aattccaggc ttatatgagc cctgctgtgc agtcggcctg gagacagccc agctcaggcc 1440
ctgcctagac ccctgtcaag gaggccctgt caagaggaga ggaggggag cacgggggca 1500
aggcaagctt gtgagcggga aaggcatgtc cactttagcg actggtatgt ggaagatgag 1560
ttagaggaga cagatggaga gaagtcatag gaaataaatt ctgagcattt taggagggcc 1620

Untitled.ST25

cagacacctg	gtgtccagtg	gagtgaagga	aacagtcgcc	tcccaaaatt	cagtgtctga	1680
gggtcaaagga	ttgaagttct	gtgatgacca	aggagaagcc	agctctgtgg	tagggggcac	1740
aggagctccc	caaggcccca	gggctgtcca	gctggctgtc	ccctgccagc	acccatgtcc	1800
tgtgaccca	ccccaccaag	atcccatggt	ttccgggaag	ggcctactaa	actagcttga	1860
gtgatgaggc	tagaaagggg	ctgggaccaa	ggtttaaaaa	gcaaaacaaa	ctaacaaaaa	1920
ccacactgca	gcccccccaa	ctaaaacatt	tttataaact	tttttttttt	ttttgagatg	1980
gagtctcgct	ctgtcaccca	ggctagagtg	caatggcaca	atcttggctc	actgtaacct	2040
ccacctcctg	gattcaagtg	attctcctgc	ctcagcctcc	cacgtagctg	ggactacagg	2100
cacacgacac	cgcacccagc	tcattttgta	tttttagtag	agacaggggt	tcactatgtt	2160
ggccaggctg	gtctcaaact	tctgacctca	ggtgatccac	ccacctcagc	cttccaaagt	2220
gctgggatta	caggcatgag	ccaccgcgcc	cagcccattt	ttgtaaactt	ttacaatgaa	2280
gtaatttggt	gtcaaaatct	gacctgaaaa	ttaatgtgag	tttatgtata	gttttaattt	2340
atcccactag	tgtaactggt	tcaccccaga	atatacactt	gattattggg	tatatgaaaa	2400
aaatattttc	tttgaatcac	ctttgatgaa	atcctaaaaa	attttaaccc	tgaaacattt	2460
gaataaggca	ttgtggacct	atggcaaaact	cctggctatt	tctgcatttt	gccc aaatcc	2520
atccttgaat	tatatcacct	gaacctcgctg	accacctgga	gaaggcaatg	aggctcaagc	2580
cagggagggg	tggtgtctaa	tcctaccttt	cattggatct	gggaaaactg	agggagatgg	2640
gggcagggtc	ctatctgccc	caggcttccg	tccaggcccc	accctcctgg	agccctgcac	2700
acaacttaag	gccccacctc	cgc				2723

<210> 7
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 7	gggaggggtg	gtgtctaata	ctacctttca	ttggatctgg	gaaaactgag	ggagatgggg	60
	gcagggtctt	atctgcccc	ggcttccgct	caggccccac	cctcc		105

<210> 8
 <211> 47
 <212> DNA
 <213> Homo sapiens

<400> 8	gcatttcctt	gtgccactga	ccacagctct	ttcttcaggg	acagaca	47
---------	------------	------------	------------	------------	---------	----

<210> 9
 <211> 22
 <212> DNA

Untitled.ST25

<213> Homo sapiens

<400> 9
gtcagcatat gtagtccccgc cc 22

<210> 10
<211> 21
<212> DNA
<213> Homo sapiens

<400> 10
aaacttaagc agcgatgggg c 21

<210> 11
<211> 21
<212> DNA
<213> Homo sapiens

<400> 11
attctccgcg gcatcgctga c 21

<210> 12
<211> 22
<212> DNA
<213> Homo sapiens

<400> 12
cactgcatac gacgattctg tg 22

<210> 13
<211> 21
<212> DNA
<213> Homo sapiens

<400> 13
attcgatcgg ggcggggcga g 21

<210> 14
<211> 20
<212> DNA
<213> Homo sapiens

<400> 14
gtcaggtcac agtgacctga 20

<210> 15
<211> 1095
<212> DNA
<213> Homo sapiens

<400> 15
ttggaaactg atgagattag ctcaaaggat cctggcagct caggctgcaa gatttttttc 60
agacctcagt gtttgggaaa aaattgggta ggtggagctt agggactggc cttaggcctg 120
cactgttaat tcacccccctc ccactacccc atggaggcct ggctgggtgct cacatacaat 180

Untitled.ST25

aattaactgc	tgagtggcct	tcgccaatc	ccaggctcca	ctcctgggct	ccattcccac	240
tccctgcctg	tctcctaggc	cactaaacca	cagctgtccc	ctggaataag	gcaaggggga	300
gtgtagagca	gagcagaagc	ctgagccaga	cggagagcca	cctcctctcc	caggtatgtg	360
acaactcccca	tcccccttca	gaggccacac	accctatggc	attcccacca	tgtgttaagg	420
atcttctgaa	ctggaagggc	cctctgtttg	cctgaaggcc	agagaatctt	gaagtggaga	480
ctgaggccca	gaccagagtg	tggcctgctc	aagattaaac	gacaagttag	tggtcatccc	540
cctgaactag	tacctgggct	ctagcccttc	agtccagagc	tgagttctca	gctcttctag	600
tctggggccc	caaggttggg	tgtggggggtc	atgattgttg	gtggggaggg	gtcacagctg	660
gactaagacc	tgaaggtgag	actaggcagg	tgggaaagga	gcttgcagag	tgatgctgct	720
caaaaggaca	ggaagagagc	ctggcttcag	aagcagccac	agcaagagag	actactgact	780
gaacaggtgg	gctccactgg	gggctccgga	aaggattttc	tcagcccca	tcccagcac	840
tgtgtgttgg	ccgcacccat	gagagcctca	gcactctgaa	ggtgcagggg	gcaaaggcca	900
aaagagctct	ggcctgaact	tgggtgggtcc	ctactgtgtg	acttggggca	tggccctcat	960
ctgtgctgaa	atgattccac	aaagattaaa	ctggctatca	tttgttgatt	tcccccttct	1020
tacatttaat	ccttgcagga	gaaagctaag	cctcaagata	gtttgcttct	ctttcccca	1080
aggccaagga	gaagg					1095

<210> 16
 <211> 2723
 <212> DNA
 <213> Homo sapiens

<400> 16	
ttggaaactg	atgagattag
ctcaaaggat	cctggcagct
caggctgcaa	gatttttttc
	60
agacctcagt	gtttgggaaa
aaattgggta	ggtaggagctt
agggactggc	cttaggcctg
	120
cactgttaat	tcacccctc
ccactacccc	atggaggcct
ggctgggtgct	cacatacaat
	180
aattaactgc	tgagtggcct
tcgccaatc	ccaggctcca
ctcctgggct	ccattcccac
	240
tccctgcctg	tctcctaggc
cactaaacca	cagctgtccc
ctggaataag	gcaaggggga
	300
gtgtagagca	gagcagaagc
ctgagccaga	cggagagcca
cctcctctcc	caggtatgtg
	360
acactcccca	tcccccttca
gaggccacac	accctatggc
attcccacca	tgtgttaagg
	420
atcttctgaa	ctggaagggc
cctctgtttg	cctgaaggcc
agagaatctt	gaagtggaga
	480
ctgaggccca	gaccagagtg
tggcctgctc	aagattaaac
gacaagttag	tggtcatccc
	540
cctgaactag	tacctgggct
ctagcccttc	agtccagagc
tgagttctca	gctcttctag
	600
tctggggccc	caaggttggg
tgtggggggtc	atgattgttg
gtggggaggg	gtcacagctg
	660
gactaagacc	tgaaggtgag
actaggcagg	tgggaaagga
gcttgcagag	tgatgctgct
	720

Untitled.ST25

caaaaggaca	ggaagagagc	ctggcttcag	aagcagccac	agcaagagag	actactgact	780
gaacagggtg	gctccactgg	gggctccgga	aaggattttc	tcagcccca	tcccagcac	840
tgtgtgttgg	ccgcacccat	gagagcctca	gcactctgaa	ggtgcagggg	gcaaaggcca	900
aaagagctct	ggcctgaact	tgggtggtcc	ctactgtgtg	acttggggca	tggccctcat	960
ctgtgctgaa	atgattccac	aaagattaaa	ctggctatca	tttgttgatt	tcccccttct	1020
tacatttaat	ccttgcagga	gaaagctaag	cctcaagata	gtttgcttct	ctttcccca	1080
aggccaagga	gaagggtggag	tgagggctgg	ggtcgggaca	ggttgaacgg	gaaccctgtg	1140
ctctaaacag	ttagggtttg	ttcccgcagg	aactgaaccc	aaaggatcac	ctggtattcc	1200
ctgagagtac	agatttctcc	ggcgtggccc	tcaaggtag	tgagtgcagca	ggtccacagg	1260
ggcatgattg	gatcctggaa	tgaatgaatc	aaccatgaga	gagtgaatga	acactggaat	1320
caatagagta	gcagagtaat	ggattgtgga	gcaggaaaga	gagctgctgg	gtgggaattc	1380
aattccaggc	ttatatgagc	cctgctgtgc	agtcggcctg	gagacagccc	agctcaggcc	1440
ctgcctagac	ccctgtcaag	gaggccctgt	caagaggaga	ggaggggag	cacgggggca	1500
aggcaagctt	gtgagcggga	aaggcatgtc	cactttagcg	actggtatgt	ggaagatgag	1560
ttagaggaga	cagatggaga	gaagtcatag	gaaataaatt	ctgagcattt	taggaggggc	1620
cagacacctg	gtgtccagtg	gagtgaagga	aacagtcgcc	tcccaaaatt	cagtgtctga	1680
ggtcaaagga	ttgaagttct	gtgatgacca	aggagaagcc	agctctgtgg	tagggggcac	1740
aggagctccc	caaggcccca	gggctgtcca	gctggctgtc	ccctgccagc	acccatgtcc	1800
tgtgaccca	ccccaccaag	atcccatggt	ttccgggaag	ggcctactaa	actagcttga	1860
gtgatgaggc	tagaaagggg	ctgggaccaa	ggtttaaaaa	gaaaaacaaa	ctaacaaaaa	1920
ccacactgca	gcccccccaa	ctaaaacatt	tttataaaact	tttttttttt	ttttgagatg	1980
gagtctcgct	ctgtcaccca	ggctagagtg	caatggcaca	atcttggctc	actgtaacct	2040
ccacctcttg	gattcaagtg	attctcctgc	ctcagcctcc	cacgtagctg	ggactacagg	2100
cacacgacac	cgcacccagc	tcatttttga	tttttagtag	agacaggggt	tcactatgtt	2160
ggccaggctg	gtctcaaact	tctgacctca	ggtgatccac	ccacctcagc	cttccaaagt	2220
gctgggatta	caggcatgag	ccaccgcgcc	cagcccattt	ttgtaaaact	ttacaatgaa	2280
gtaatttggg	gtcaaaatct	gacctgaaaa	ttaatgtgag	tttatgtata	gttttaattt	2340
atcccactag	tgtaactgtt	tcaccccaga	atatacactt	gattattggg	tatatgaaaa	2400
aaatattttc	tttgaatcac	ctttgatgaa	atcctaaaaa	attttaacct	tgaaacattt	2460
gaataaggca	ttgtggacct	atggcaaaact	cctggctatt	tctgcatttt	gccccaaatcc	2520
atccttgaat	tatatcacct	gaacctcgtg	accacctgga	gaaggcaatg	aggctcaagc	2580
cagggagggg	tggtgtctaa	tcctaccttt	cattggatct	gggaaaactg	agggagatgg	2640

Untitled.ST25

gggcagggct ctatctgccc caggcttccg tccaggcccc accctcctgg agccctgcac 2700
acaacttaag gcccacctc cgc 2723

<210> 17
<211> 41
<212> DNA
<213> Homo sapiens

<400> 17
ggagatgggg gcagggctct atctgccccca ggcttccgtc c 41

<210> 18
<211> 100
<212> DNA
<213> Homo sapiens

<400> 18
gatgaggcta gaaaggggct gggaccaagg tttaaaaagc aaaacaaact aacaaaaacc 60
acactgcagc ccccccaact aaaacatttt tataaacttt 100